Supporting Information

Discovery, Synthesis and Biological Evaluation of a Novel Group of Selective Inhibitors of Filoviral Entry

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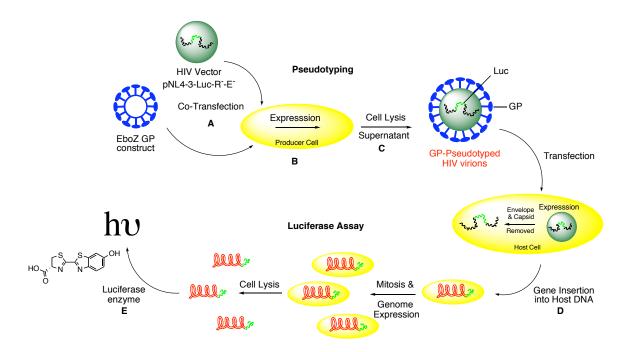


Figure S1. Schematic representation of the production of GP-pseudotyped HIV virion followed by luciferase protocol. (A). To produce HIV-GP pseudotyped virions, 293T cells were co-transfected with HIV vector pHL4-3 (HIV genome containing a luciferase reporter gene (pNL4-3-Luc-R--E-, green)) and EboZ GP construct. HIV vector carries a deletion within the *env* coding region and harbores a reporter gene to be transferred to the target cells. It also contains all sequences necessary for reverse transcription, vector integration, and expression other reporter gene. (B). Upon transfection of cells an envelope deficient HIV virus vector and a plasmid encoding EboZ virus envelope are coated and expressed in producer cells generating exclusively the GP pseudotyped HIV virions. (C). The last are assembled, released upon cell lyses, and collected. Lusiferase Assay. (D). To examine incorporation of HIV-GP pseudotyped virus into 293T it transfects into the host cells so desired genome is expressed. Recombinant pseudotyped virus carried the recombinant genome is produced and replicated through mitoses. (E). The luciferase gene is expressed releasing luciferase enzyme upon cell lyses. The total GP expression (enzyme activity) level is detected by luciferse assay protocol using Western blotting.

